

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	ADAPTIVE DE-BLOCKING FILTERING APPARATUS AND METHOD FOR MPEG VIDEO DECODER
--------------------	--

Application Number :

Confirmation Number:

First Named Applicant: Do-Kyoung Kwon

Attorney Docket Number: MTKP0169USA

Art Unit:

Examiner:

Search string: (6600839 or 6563958 or 6370279 or 6298161 or 6618510 or 6539060 or 6360024 or 6320905 or 6317522 or 6240135 or 6188799 or 6115503 or 6028967 or 5933541 or 20030219074 or 20030053708 or 20030044080 or 20020196856 or 20020118399 or 20020051496 or 20030219073 or 20030152146 or 20030202608 or 20030058944 or 20030053711).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
/TV/	1	6600839	2003-07-29	Mancuso , et al.			
/TV/	2	6563958	2003-05-13	Andrew			
/TV/	3	6370279	2002-04-09	Paik			
/TV/	4	6298161	2001-10-02	Koo , et al.			
/TV/	5	6618510	2003-09-09	Umiji			
/TV/	6	6539060	2003-03-25	Lee , et al.			
/TV/	7	6360024	2002-03-19	Tan , et al.			
/TV/	8	6320905	2001-11-20	Konstantinides			
/TV/	9	6317522	2001-11-13	Rackett			
/TV/	10	6240135	2001-05-29	Kim			
/TV/	11	6188799	2001-02-13	Tan , et al.			
/TV/	12	6115503	2000-09-05	Kaup			
/TV/	13	6028967	2000-02-22	Kim , et al.			
/TV/	14	5933541	1999-08-03	Kutka , et al.			

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
------	----------	----------	------	-----------	------	-------	----------

/TV/	1	20030219074	2003-11-27	Park, Jeong-hoon ; et al.			
/TV/	2	20030053708	2003-03-20	Kryukov, Sergei Nikolaevich ; et al.			
/TV/	3	20030044080	2003-03-06	Frishman, Eyal ; et al.			
/TV/	4	20020196856	2002-12-26	Miro Sorolla, Carolina ; et al.			
/TV/	5	20020118399	2002-08-29	Estevez, Miguel ; et al.			
/TV/	6	20020051496	2002-05-02	Hashimoto, Kohkichi			
/TV/	7	20030219073	2003-11-27	Lee, Yung-lyul ; et al.			
/TV/	8	20030152146	2003-08-14	Lin, Chih-Lung ; et al.			
/TV/	9	20030202608	2003-10-30	MacInnis, Alexander G. ; et al.			
/TV/	10	20030058944	2003-03-27	MacInnis, Alexander G. ; et al.			
/TV/	11	20030053711	2003-03-20	Kim, Changick			

Signature

Examiner Name	Date
/Tung Vo/	08/31/2007



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete If Known

Application Number	10/709,340
Filing Date	04/29/2004
First Named Inventor	Do-Kyoung Kwon
Group Art Unit	
Examiner Name	
Attorney Docket Number	MTKP0169USA

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
/TV/	1	R.ROSENHOLTZ, A. ZAKHOR; Iterative procedures for reduction of blocking effects in transform image coding; IEEE TRANS. Circuits Syst. Video Technol; Mar. 1992; page 91 - page 95; VOL. 2	
/TV/	2	Y. YANG, N. P. GALATSANOS, A.K.KATSAGGELOS; Regularized reconstruction to reduce blocking artifact of block discrete cosine transform compressed image; IEEE Trans. Circuits Syst. Video Technol; Dec. 1993; page 421-page 432; VOL. 3	
/TV/	3	Y. YANG, N. P. GALATSANOS, A.K.KATSAGGELOS; Projection-based spatially adaptive reconstruction of block-transform compressed images; IEEE Trans. Image Processing; July 1995; page 896-page 908; VOL. 4	
/TV/	4	T.MEIER, K.N.NGAN, G. GREBBIN; Reduction of blocking artifacts in image and video coding; IEEE Trans. Circuits Syst. Video Technol; April 1999; page 490 - page 500; VOL.9	
/TV/	5	T.P. O'ROURKE, R.L. STEVENSON; Improved image decompression for reduced transform coding artifacts; IEEE TRANS. Circuits Syst. Video Technol; Dec. 1995; page 490- page499; VOL.5	
/TV/	6	Y.L. LEE, H.C. KIM, H.W.PARK; Blocking effect reduction of JPEG images by signal adaptive filtering; IEEE Trans. Image Processing; Feb. 1998; page 229-page 234; VOL.7	
/TV/	7	H.W. PARK, Y.L.LEE; A postprocessing method for reducing quantization effect in low bit-rate moving picture coding; IEEE Trans. Circuits Syst. Video Technol; Feb.1999; page 161-page 171; VOL.9	
/TV/	8	S.D.KIM, J. YI, H.M.KIM, J.B.RA; A deblocking filter with two separate modes in block-based video coding; IEEE Trans. Circuits Syst. Video Technol; Feb.1999; page 156-apge 160; VOL.9	
/TV/	9	P.LIST, A.JOCH, J.LAINEMA, G.BJONTEGAARD, M.KARCZEWCZ; Adaptive deblocking filter; IEEE Trans. Circuits Syst. Video Technol; July 2003; page 614-page 619; VOL.13	

Examiner Signature	/Tung Vo/	Date Considered	08/31/2007
--------------------	-----------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number		10709340
	Filing Date		2004-04-29
	First Named Inventor		Do-Kyoung Kwon
	Art Unit		2621
	Examiner Name		DASTOURI, MARYAM Vo, Tung
	Attorney Docket Number		MTKP0169USA

U.S.PATENTS						Remove		
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		
	1							
If you wish to add additional U.S. Patent citation information please click the Add button.						Add		
U.S.PATENT APPLICATION PUBLICATIONS						Remove		
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		
	1							
If you wish to add additional U.S. Published Application citation information please click the Add button						Add		
FOREIGN PATENT DOCUMENTS						Remove		
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵
/TV/	1	WO 03/094521	WO	A1	2003-11-13			<input type="checkbox"/>
If you wish to add additional Foreign Patent Document citation information please click the Add button						Add		
NON-PATENT LITERATURE DOCUMENTS						Remove		
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.					T ⁵	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10709340	
Filing Date	2004-04-29	
First Named Inventor	Do-Kyoung Kwon	
Art Unit	2621	
Examiner Name	BACTOURI, MEHRDAD <i>Vo, Tung</i>	
Attorney Docket Number	MTKP0169USA	

1

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Tung Vo/	Date Considered	08/31/2007
--------------------	-----------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10709340
Filing Date	2004-04-29
First Named Inventor	Do-Kyoung Kwon
Art Unit	2621
Examiner Name	BASTOURI, METTLEAD Vo, Tung
Attorney Docket Number	MTKP0169USA

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.
 Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
 None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/WINSTON HSU/	Date (YYYY-MM-DD)	2007-05-02
Name/Print	WINSTON HSU	Registration Number	41526

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.